

A decorative vertical bar on the left side of the slide. It features a gradient background transitioning from light orange at the top to light teal at the bottom. Overlaid on this are several clusters of circles in various shades of teal, blue, and light green, arranged in a vertical, somewhat irregular pattern.

# **PaperQuest:** A Visualization Tool to Support Literature Review

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CPSC 547

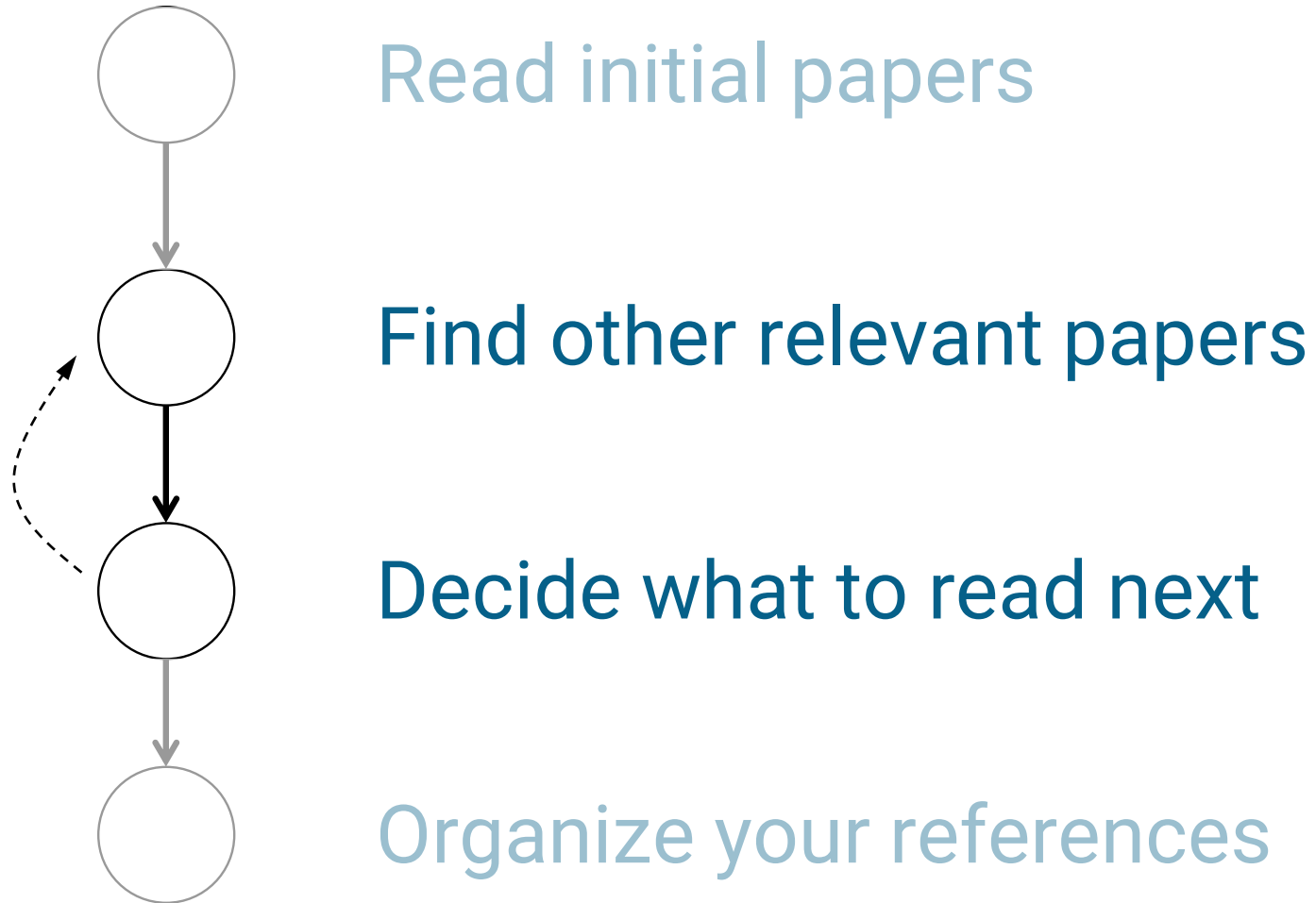
# Paper Data

- CHI & UIST papers (from Autodesk)
- Year, authors, title, abstract, DOI and citation count
- 3501 papers

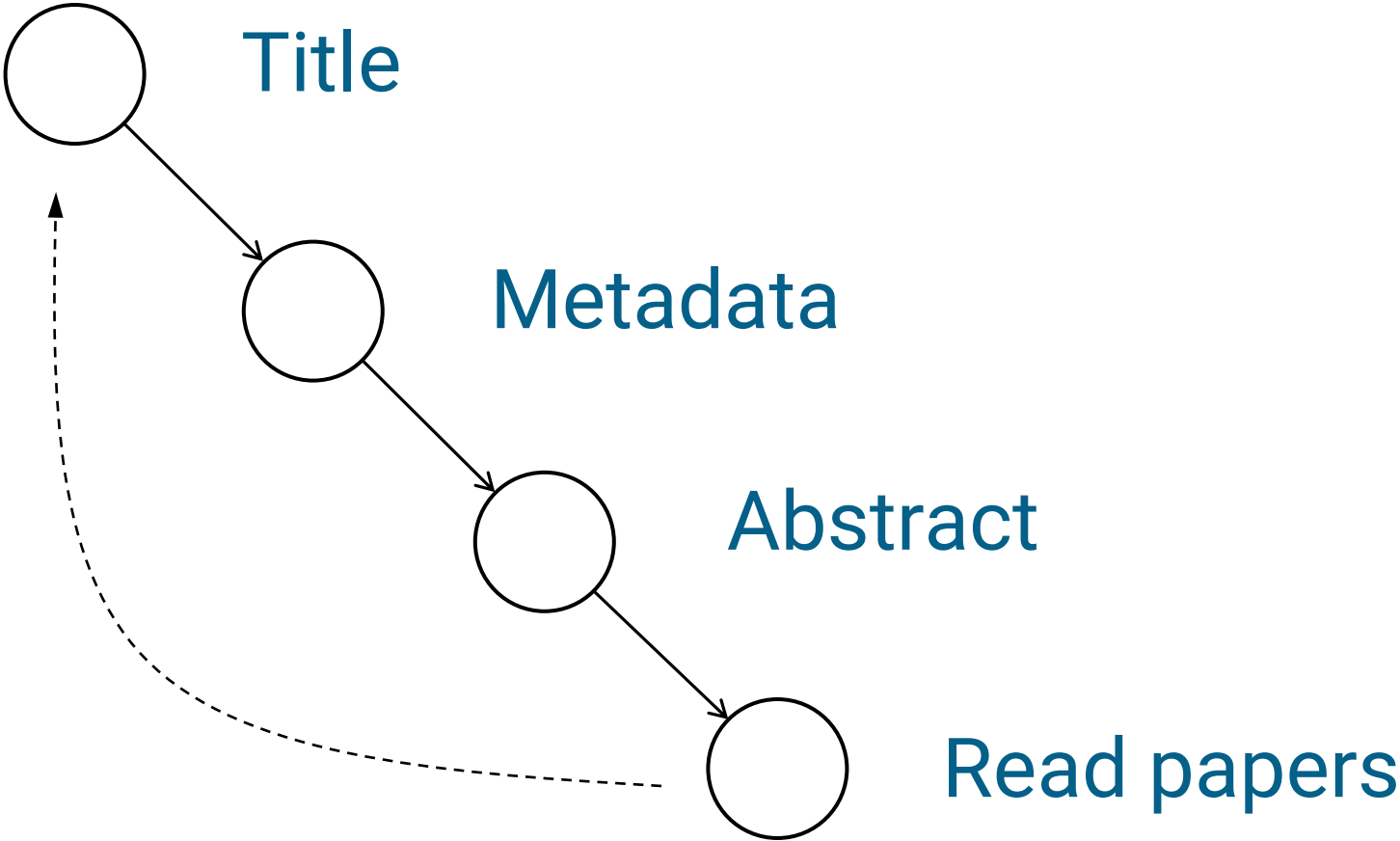
# Network Data

- References between papers = directed links
- 27587 links

# Why: Exploration



# Multi-level Decision Process



# How: Encode

internal citation count

external citation count

connectivity score

# How: Encode

internal citation count  
external citation count



connectivity score



# Scale

**dozens** of papers per view

**dozens** of links

no **aggregation**

Demo



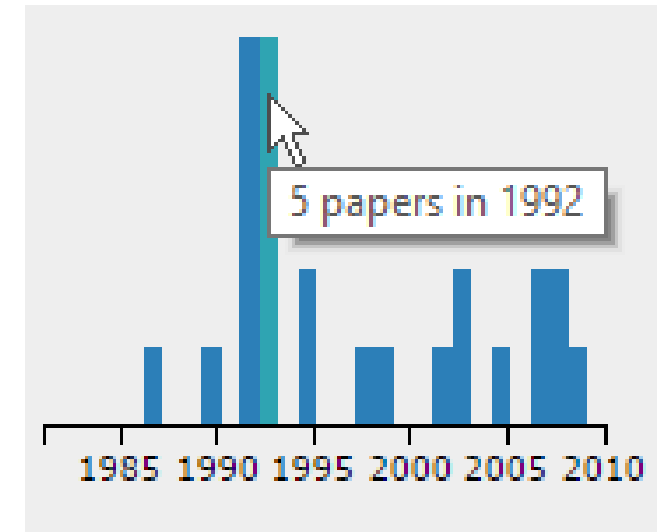
# Future work

linked highlighting

filtering

search

give control over algorithm weights



# Conclusion

Finding papers & deciding which one to read

Custom relevance algorithm  
(citation counts + connectivity)

Size, color, links, semantic zoom & faceted views

A decorative vertical bar on the left side of the slide, featuring a series of circles in various sizes and colors (blue, teal, green, yellow) arranged in a pattern. The background is split into three main sections: a light beige top-left corner, a light orange bottom-left corner, and a large teal bottom-right section.

# Thank you.

[cs.ubc.ca/~aponsard/paperquest](http://cs.ubc.ca/~aponsard/paperquest)